

# Converting Colors

YIQ(75.9280, 37.1750, 47.6630)

Have a look what the booklet for  
YIQ(75.9280, 37.1750, 47.6630)  
contains.

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# Color

**YIQ(75.9280, 37.1750,  
47.6630)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8D2374
RGB	141, 35, 116
RGB Percent	55%, 14%, 45%
CMY	0.4468, 0.8629, 0.5450
CMYK	0.00, 0.75, 0.18, 0.45
HSL	314°, 60%, 35%
HSV	314°, 75%, 55%
XYZ	14.7510, 8.1304, 17.3215
YIQ	75.9280, 37.1750, 47.6630

# Conversions

## Conversions Part 2

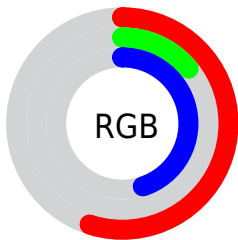
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	141, 35, 116
Decimal	9249652
CIE <sub>Lab</sub>	34.25, 52.09, -21.73
CIE <sub>LCh</sub>	34, 56.439, 337.360
Yxy	8.1304, 0.3669, 0.2022
Android (android.graphics.Color)	4287439732 (0xFF8D2374)
YUV	75.9280, 19.7555, 57.0681
Hunter-Lab	28.5139, 42.4437, -16.0575

# Details

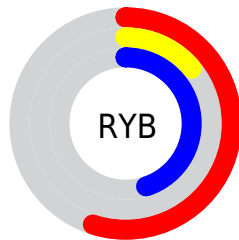
The YIQ color **75.9280, 37.1750, 47.6630** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **100.0720, -37.1750, -47.6630**, and the grayscale version is **76.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **131.7710, 39.0550, 46.6310**, and **33.6510, 30.3450, 39.2810** is the 20% darker color. If you saturate the color by 10%, you get **67.3680, 41.9880, 54.0520**, and if you desaturate by 10%, it is **84.4880, 32.3620, 41.2740**.

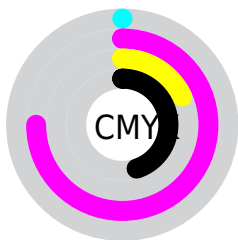
# Distribution



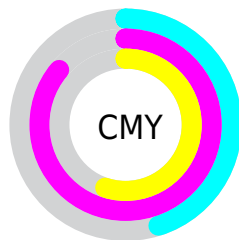
- Red (55%)
- Green (14%)
- Blue (45%)



- Red (55%)
- Yellow (14%)
- Blue (45%)



- Cyan (0%)
- Magenta (75%)
- Yellow (18%)
- Black (45%)



- Cyan (45%)
- Magenta (86%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 75.9280, 37.1750, 47.6630 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the YIQ color 75.9280, 37.1750, 47.6630 by changing the saturation by 10% instead.



75.9280, 37.1750,  
47.6630

75.9280, 37.1750,  
47.6630

255.0000, -0.0000,  
-0.0000

44.4600, 38.7330,  
52.4690

131.7710, 39.0550,  
46.6310

33.7650, 30.0240,  
39.5920

159.4830, 39.9260,  
47.3660

23.3690, 21.9110,  
26.9270

186.8960, 40.2010,  
47.8890

13.5000, 13.7520,  
15.0960

206.5240, 23.5130,  
41.9530

0.0000, 0.0000,  
0.0000

223.3020, 14.8500,  
28.2420

240.3250, 6.8750,

13.0750

■ 75.9280, 37.1750,  
47.6630

■ 75.9280, 37.1750,  
47.6630

■ 67.3680, 41.9880,  
54.0520

■ 84.4880, 32.3620,  
41.2740

■ 58.6940, 47.1220,  
60.1300

■ 93.1620, 27.2280,  
35.1960

■ 54.4710, 49.3680,  
63.4800

■ 101.7220, 22.4150,  
28.8070

■ 110.2820, 17.6020,  
22.4180

■ 119.5430, 12.1930,  
15.8170

■ 128.1030, 7.3800,  
9.4280

■ 136.6630, 2.5670,  
3.0390

■ 145.3370, -2.5670,  
-3.0390

■ 153.8970, -7.3800,  
-9.4280

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.2300, -11.0100, 34.3500



75.9280, 37.1750, 47.6630



66.0160, 66.1060, 46.4740

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.9280, 37.1750, 47.6630



74.7450, 30.4940, -24.0180



73.3890, -70.2390, -10.1030

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



75.9280, 37.1750, 47.6630



100.0720, -37.1750, -47.6630

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



69.0740, -56.7110, -23.9990



75.9280, 37.1750, 47.6630



65.9530, -2.9270, -40.5830

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.9280, 37.1750, 47.6630



75.5300, 56.6250, -7.4950



62.4280, -40.7530, -37.8810



73.8740, -78.4940, 1.8420



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.9280, 37.1750, 47.6630



69.3300, 70.3730, 29.7090



62.4280, -40.7530, -37.8810



72.4940, -66.3410, -14.6690

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



75.9280, 37.1750, 47.6630



157.6190, 15.0350, 19.3790



54.5590, -19.1260, 38.2660



76.0540, 9.0760, 11.7320



219.0000, 0.0000, -0.0000



92.0000, 0.0000, -0.0000



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.9280, 37.1750, 47.6630



82.1120, 58.1690, 74.6890



69.8860, 54.1880, 31.1800



66.7770, 2.2460, 3.3500



52.1070, 47.3970, 60.6530



3.0760, 2.8420, 3.5620



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



75.9280, 37.1750, 47.6630



82.1120, 58.1690, 74.6890



106.1140, -54.1880, -31.1800



66.7770, 2.2460, 3.3500



52.1070, 47.3970, 60.6530



3.0760, 2.8420, 3.5620



# Previews

## White Background



This preview shows how the YIQ color 75.9280, 37.1750, 47.6630 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

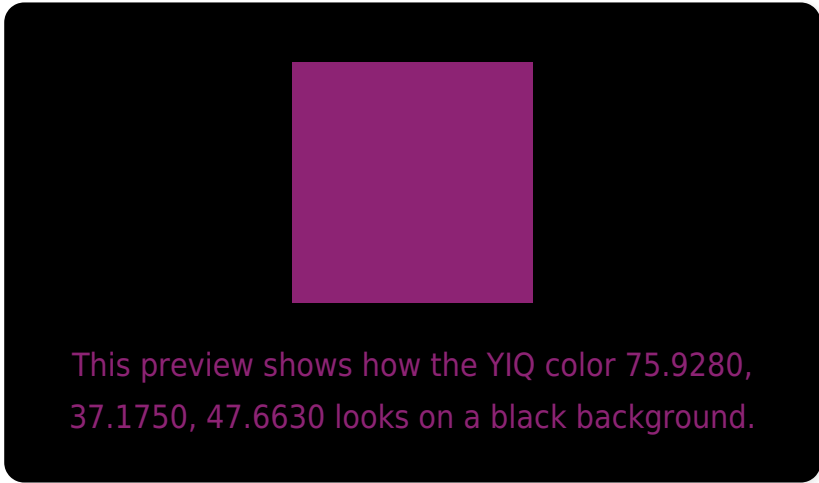
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

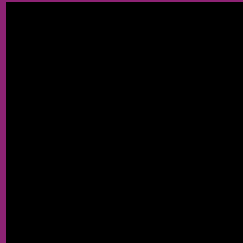
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**YIQ 75.9280, 37.1750, 47.6630**

## **Background**



This preview shows how black text looks on a background with the YIQ color 75.9280, 37.1750, 47.6630.



This preview shows how white text looks on a background with the YIQ color 75.9280, 37.1750,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

75.9280, 37.1750, 47.6630

### Protanopia

76.6720, -45.2100, 15.3820

### Deuteranopia

82.2130, -13.4810, 7.5350



## Tritanopia

78.9740, 47.5880, 18.6280

# Trichromacy



## Original Color

75.9280, 37.1750, 47.6630

## Protanomaly

76.5620, -15.1810, 27.3390

## Deuteranomaly

79.6380, 4.8560, 22.1360

## Tritanomaly

77.8570, 43.9640, 29.2440

# Monochromacy



## Original Color

75.9280, 37.1750, 47.6630

## Achromatopsia

76.0000, -0.0000, -0.0000

## Achromatomaly

76.0810, 13.6140, 17.5980

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 75.9280, 37.1750, 47.6630 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(141, 35, 116)` looks like.

```
.text, #text, p{  
    color:rgb(141, 35, 116)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(141, 35, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 35, 116) }
```

## Border

The CSS property to change the border of an element to YIQ 75.9280, 37.1750, 47.6630 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(141, 35, 116) }
```



If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(141, 35, 116) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(141, 35, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 35, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 35, 116);  
box-shadow:4px 4px 4px 4px rgb(141, 35,  
116) }
```

# Background

The CSS property to change the background color of an element to YIQ 75.9280, 37.1750, 47.6630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 35, 116) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(141, 35,  
116) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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